

# Mrs. Barrieau's Biology Syllabus

## CLASS INFORMATION:

Class: **Biology**

Meets: **Weekly**

Duration: 30 classes; 90 min live weekly classes

## Teacher Information

Teacher: Heather Barrieau

Email: [heather@myfunsience.com](mailto:heather@myfunsience.com)

Phone: 440.708.8756 (MST)

Office Hour: TBD



## Your Class

This online course is delivered entirely online using Adobe Connect for our live class meetings and the Schoology Learning Management System (LMS) for all other course interaction.

## Class Description

Prerequisites: none

Class Description: Cells, taxonomy, chemistry of biology, genetics, bacteria, viruses, creation vs. evolution, photosynthesis, invertebrates, vertebrates, plants, ecology. Students will learn and submit formal lab. Importance will be placed on students' understanding of scientific inquiry, the scientific method, and the resulting science lab reports.

## Required Course Materials



*Discovering Design With Biology*

Dr. Jay Wile

© Berean Builders;

ISBN:

979-8-9852529-4-1

**Lab assignments** will be distributed in class. Please go to [homesciencetools.com](http://homesciencetools.com) and search My Fun Science Biology for the Lab Kit. Please purchase in advance of the course start date. We will be doing both virtual and physical labs (at home).

## Technical Information

Students will need Internet access to participate in the live online classes and to access the class pages online. A headset is preferred for this course, but students will need working audio at a minimum for classes. A working microphone is beneficial, but not required for class participation. **Please make sure they have access to certain educational websites:**

- Kahoot! ([kahoot.it](http://kahoot.it))
- PHET (<https://phet.colorado.edu/>)
- HHMI (<http://www.hhmi.org/biointeractive>)

# Attendance Policy

Students are strongly encouraged to attend live classes. However, students who do miss a class will be responsible for viewing the recording and completing assignments. Active participation is essential for maintaining the best learning environment. Outside of live sessions, students are expected to log on and visit the class pages to see updates, new content, activities, or assignments. There, students may review class material, keep up-to-date on announcements and assignments, and verify that there have not been any changes to the class calendar and/or agenda.

## Class Conduct

Students should conduct themselves in a worthy and appropriate manner, which includes behaving respectfully and politely to each other and the teacher. Students should strive to stay on task and on topic, to use appropriate language, and to be gracious in speech and conduct toward others. A **live discussion box** is used during class and students who are unable to adhere to this type of conduct may be dismissed from the class for the day. If it continues to occur during a live sessions it will result in parent notification.



## Tentative CLASS SCHEDULE

Fall Semester		Spring Semester	
Week 1	Introduction, Sci Method	Week 16	Review/Classification
Week 2	Chemistry of Life	Week 17	Viruses
Week 3	Biochemistry	Week 18	Bacteria
Week 4	Biochemistry	Week 19	Protists
Week 5	Cell Theory	Week 20	Fungi
Week 6	The Cell	Week 21	Plants
Week 7	Cell Transport	Week 22	Plants
Week 8	Energy	Week 23	Environmental
Week 9	Photosynthesis	Week 24	Ecosystems
Week 10	Cellular Respiration	Week 25	Animalia
Week 11	Mitosis	Week 26	Animalia
Week 12	Meiosis	Week 27	Animalia
Week 13	DNA	Week 28	Human Anatomy
Week 14	Genetics	Week 29	Human Anatomy
Week 15	BioTech/Review	Week 30	Human Anatomy/Review

# GRADING:

All assignments specified on the class pages and in class, and are to be submitted through the “**Submit**” button on the students’ class web pages **before midnight ET** on the date they are due. They should be **submitted as .pdf or .docx**. **Assignment assessments** are used to grade weekly homework. Some assignments will be submitted and then self graded and recorded as completed. **Formal lab write-ups will be graded and cannot be dropped.** There will be 2 excused **weekly assignments** each semester. There will **not** be a lowest grade dropped in each category, but **extra credit** will be offered throughout the year.

## Grading Scale :



100-94	A	79-77	C+		Weekly Assignments	15%
90-93	A-	77-74	C		Labs	20%
89-87	B+	73-70	C-		Quizzes	20%
86-84	B	69-60	D		Tests	30%
83-80	B-	59 and below	F		Discussion/Projects	10%
					Attendance/Participation	5%

## Make-up/Late Assignment Policy:



Assignments are late if they are submitted after the due date. **Please take deadlines seriously.** Late work will be a zero. There will be 2 excused assignments each semester to help with this.

Communication is the key here before the assignment is due.

**A parent** must email me **before** if you are traveling or have a conflict.

## Tips for Student Success

Students who are **fully present, work diligently, actively participate (either via live class attendance or watching recordings promptly and attentively), and consistently communicating** will be the most successful.

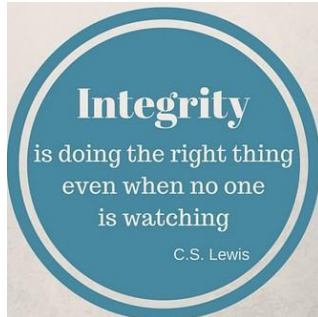
## Communication

Students who are unable to find something, are unable to remember instructions, are having trouble understanding, or are otherwise having difficulty in the class should take every opportunity to **communicate with the teacher**. Office hours can be arranged and is an excellent way to get additional help as well as gain extra support and enrichment activities. It is important to ask questions and keep an open line of communication about all class related activities for the best learning experience.



# Academic Honor and Integrity

Grading can be a challenge to make sure that answers are not being looked up during tests or quizzes. It may seem like we are not able to do much, but it becomes apparent during homework and then during tests. If answers seem copied and pasted or not their usual answers on homework, a zero may be used as a placeholder until communication happens. AI apps, Grok, ChapGPT and Google answers can show up the same for students. Certain words or topics that may be included in answers that are not discussed or in the text can be indicators of cheating.



Colleges and universities, and every professional and educational environment, take issues of academic honesty very seriously. Research shows that plagiarism, what most people automatically think of when hearing the phrase “academic honesty,” is most often committed when students are pressed for time, care very little about the assignment, or are unaware of what plagiarism is. Planning, attitude adjustment, and careful instruction may be visited as needed in this class. **It is a matter of integrity.** Being a student of integrity includes submitting your own work in a timely manner, and demonstrating effort and diligence.

## ***Philippians 4:8***

*Finally, brethren, whatever is true, whatever is honorable, whatever is right, whatever is pure, whatever is lovely, whatever is of good repute, if there is any excellence and if anything worthy of praise, dwell on these things.*